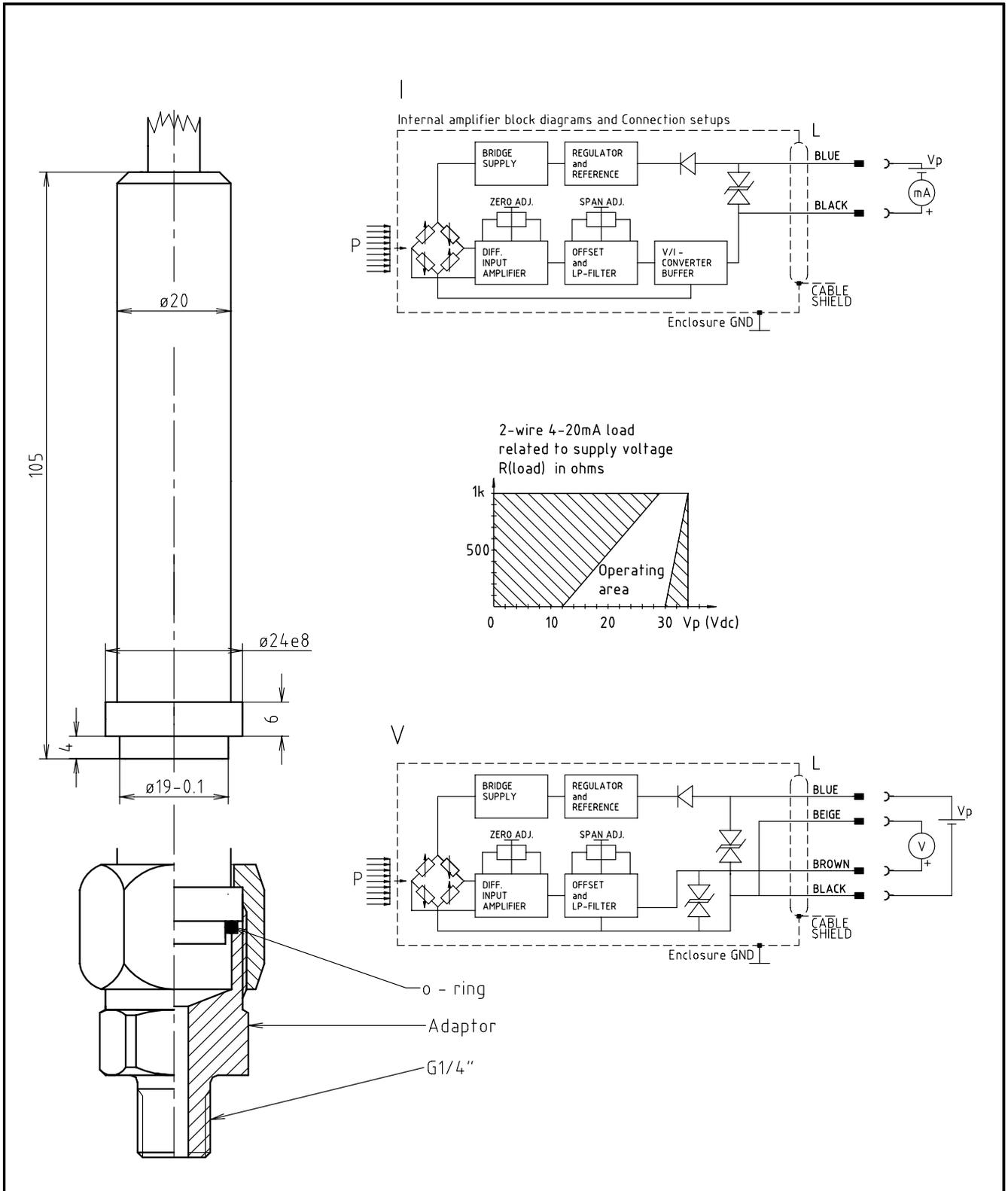


# PRESSURE TRANSMITTER PSV ( for vacuum )



## DESCRIPTION

The pressure transmitter type PSV is based on a piezoresistive sensor chip which is housed in a fluid-filled cylindrical cavity and isolated from measure media by a stainless steel diaphragm and body. The stainless steel part is mounted in the stainless steel tube which contains the amplifier. The backside of the sensor is ventilated to the atmosphere through the nylon tube in the cable. The shield in the cable is connected to the stainless steel housing.

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**H F JENSEN**  
SENSOR TECHNOLOGY

## SPECIFICATIONS

<b>Pressure range</b>	-1 to +2 bar gauge
<b>Pressure limits</b>	2 times rated pressure
<b>Material</b>	Diaphragm: Stainless steel AISI316 Housing: Stainless steel AISI316
<b>Supply voltage</b>	I: 12-30V <sub>DC</sub> either polarity V: 10-30V <sub>DC</sub> max 4mA
<b>Supply voltage effect</b>	< 0,03%/V
<b>Output signal</b>	I: 4-20mA (R <sub>L</sub> see diagram) 2-wires V: 1-5V, R <sub>L</sub> > 10k $\Omega$ 4-wires
<b>Frequency range</b>	DC - 300 Hz ( -3dB )
<b>Temperature range</b>	0-70°C compensated
<b>Temperature coefficient of zeropoint and sensitivity</b>	< $\pm$ 2% FSO 0°C to +70°C ( with reference to +25°C )
<b>Non-linearity</b>	< $\pm$ 0,25% ( typical < $\pm$ 0,1% )
<b>Repeatability</b>	< $\pm$ 0,05%
<b>Long term stability- offset</b>	< $\pm$ 0,2% 1 year ( typical < $\pm$ 0,1% )
<b>Long term stability- sensitivity</b>	< $\pm$ 0,2% 1 year ( typical < $\pm$ 0,1% )
<b>Transducer weight</b>	100 grams
<b>Cable</b>	Outer insulation: $\varnothing$ 9 mm black PUR. Wires: 5x0.5 mm <sup>2</sup> PVC insulated wires + 2 supporting wires. Ventilation: $\varnothing$ 2.5 mm polyamid capillary tube. Weight: 70 g/m.
<b>Protection class</b>	IP65
<b>Pressure connections</b>	With adaptor type P 44-x (G1/4")

## ORDERING INFORMATION

